

Novel catalyst for ethylene trimerization, its preparation process and application

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Abstract of CN1256968

The present invention relates to a quaternary chrome series catalyst for ethylene trimerization to prepare 1-hexane. Said catalyst contains a chrome compound, a pyrrole derivative, a trialkylaluminium and an accelerant. Said accelerant is a kind of halogenated alkyl substituted aromatic or halogenated aromatic compound whose aromatic ring contains at least one C1-2-alkyl radical substituted by at least two halogen atoms at alpha-site. Said catalyst features high reaction activity and selectivity and less by-product. Said invention also provides its preparation method.

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